



11701 I-30 Bldg 1, Ste 115 - Little Rock, AR 72209
501-455-3233 Fax 501-455-6118

16 June 2015

Jim Fleer
McKesson Corporation - Env. Svcs Dept.
One Post St. -- 34th Floor
San Francisco, CA 94104

RE: Arkwood Monthly Sampling
SDG Number: 1506220

Enclosed are the results of analyses for samples received by the laboratory on 12-Jun-15 09:18. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✓
Containers Correct	✓
COC/Labels Agree	✓
Received On Ice	✓
Temperature on Receipt	4.0°C

Sincerely,

A handwritten signature in blue ink, appearing to read "Norma James / Teresa Coins".

Norma James
President

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16 June 2015



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San Francisco, CA 94104
Project: Arkwood Monthly Sampling
Project Number: June 2015
Date Received: 12-Jun-15 09:18

ANALYTICAL RESULTS

Lab Number: 1506220-01
Sample Name: Mouth
Date/Time Collected: 6/11/15 11:30
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	41.3		6/15/15 19:32	A506191	8270D, Rev 4, 2007
2,4,6-Tribromophenol [surr]	%	102		6/15/15 19:32	A506191	8270D, Rev 4, 2007
2-Fluorophenol [surr]	%	59.6		6/15/15 19:32	A506191	8270D, Rev 4, 2007
Phenol-d5 [surr]	%	37.6		6/15/15 19:32	A506191	8270D, Rev 4, 2007

ANALYTICAL RESULTS

Lab Number: 1506220-02
Sample Name: Weir
Date/Time Collected: 6/11/15 11:00
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	< 1.00		6/15/15 19:53	A506191	8270D, Rev 4, 2007
2,4,6-Tribromophenol [surr]	%	57.9		6/15/15 19:53	A506191	8270D, Rev 4, 2007
2-Fluorophenol [surr]	%	20.4		6/15/15 19:53	A506191	8270D, Rev 4, 2007
Phenol-d5 [surr]	%	17.2		6/15/15 19:53	A506191	8270D, Rev 4, 2007

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QUALITY CONTROL RESULTS

Semivolatiles - Quality Control Analyzed: 15-Jun-15 16:18 By: KR

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A506191 - EPA 3510C MS

Blank (A506191-BLK1)

Prepared & Analyzed: 15-Jun-15

Pentachlorophenol	ND	1.00	ug/L							
Surrogate: 2,4,6-Tribromophenol	36.1		"	40.0		90.3	47.1-140			
Surrogate: 2-Fluorophenol	26.3		"	40.0		65.9	20.4-88.3			
Surrogate: Phenol-d5	19.1		"	40.0		47.6	11.7-70.7			

LCS (A506191-BS1)

Prepared & Analyzed: 15-Jun-15

Pentachlorophenol	37.4	1.00	ug/L	40.0		93.6	51.7-124			
Surrogate: 2,4,6-Tribromophenol	39.4		"	40.0		98.5	66-132			
Surrogate: 2-Fluorophenol	27.4		"	40.0		68.4	41-72			
Surrogate: Phenol-d5	20.5		"	40.0		51.2	29-58			

Matrix Spike (A506191-MS1)

Source: 1506162-01

Prepared & Analyzed: 15-Jun-15

Pentachlorophenol	63.1	2.00	ug/L	80.0	0.00	78.9	41.2-140			
Surrogate: 2,4,6-Tribromophenol	60.8		"	80.0		76.0	47.1-140			
Surrogate: 2-Fluorophenol	39.9		"	80.0		49.9	20.4-88.3			
Surrogate: Phenol-d5	31.4		"	80.0		39.3	14.7-66.9			

Matrix Spike Dup (A506191-MSD1)

Source: 1506162-01

Prepared & Analyzed: 15-Jun-15

Pentachlorophenol	59.5	2.00	ug/L	80.0	0.00	74.3	41.2-140	5.92	8.94	
Surrogate: 2,4,6-Tribromophenol	55.6		"	80.0		69.5	47.1-140			
Surrogate: 2-Fluorophenol	39.2		"	80.0		49.0	20.4-88.3			
Surrogate: Phenol-d5	30.4		"	80.0		38.0	14.7-66.9			

All Analysis performed according to EPA approved methodology when available:

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.

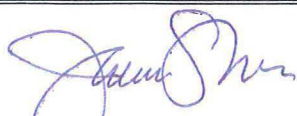
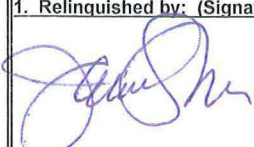
Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by: Norma James / Teresa Coins
Norma James and/or Teresa Coins
Technical Director and/or QA Officer



11701 Interstate 30, Bldg. 1, Ste. 115
 Little Rock, AR 72209
 PHONE: 501-455-3233
 FAX: 501-455-6118

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION			Project Description		Turnaround Time		Preservation Codes:											
McKesson Corporation			Arkwood Monthly Sampling		1 Day (100%)		1. Cool, 4 Degrees Centigrade					4. Thiosulfate for Dechlorination						
14348 Nieman Rd.					2 Day (50%)		2. Sulfuric Acid (H ₂ SO ₄), pH < 2					5. Hydrochloric Acid (HCl)						
Overland Park KS 66221			Reporting Information		3 Day (25%)		3. Nitric Acid (HNO ₃), pH < 2					6. Sodium Hydroxide (NaOH), pH > 12						
			Telephone: 913-706-3422		5 Day (Routine)		TEST PARAMETERS										Bottle Type Code	
Attn: Jim Fleer			Email: james.fleer@mckesson.com		Preservative Code: 1												G = Glass; P = Plastic	
					Bottle Type: GA												V = Septum; A = Amber	
 Sampler(s) Signature			James Fleer Sampler(s) Printed															Arkansas Analytical Work Order Number:
Field Number	SAMPLE COLLECTION		Grab	Comp	Number of Bottles	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION	Pentachlorophenol (8270D)										1506220
	6/11/15	11:30	X		2	Water	Mouth	X									01	
	6/11/15	11:00	X		2	Water	Weir	X									02	
								48.4										
								ONSITE MEASUREMENTS BY Oxford Environmental										
										pH		Temperature		DO%				
								Mouth		6.93		13.6		98.4				
								Weir		7.39		13.1		119.4				
								16.1 x sample for value										
								168.1										
1. Relinquished by: (Signature)			Date/Time		2. Received by: (Signature)		SAMPLE CONDITION UPON RECEIPT IN LAB				REMARKS / SAMPLE COMMENTS							
			6/11/15 15:45		FedEx		1. CUSTODY SEALS: <input checked="" type="checkbox"/> Yes ___ No				Flow Rate - 5.46							
							2. CONTAINERS CORRECT: <input checked="" type="checkbox"/> Yes ___ No				O ₃ Power - 45%							
							3. COC/LABELS AGREE: <input checked="" type="checkbox"/> Yes ___ No				O ₃ Conc - 2.60							
3. Relinquished by: (Signature)			Date/Time		4. Received by lab: (Signature)		4. RECEIVED ON ICE: <input checked="" type="checkbox"/> Yes ___ No				O ₃ Residual - 1.84							
FedEx			6-12-15 0918		Amanda fabush		5. TEMPERATURE ON RECEIPT: 4°C											
							6. TEMPERATURE GUN ID: HHT#2											
												FOR COMPLETION BY LAB ONLY						